

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A circuit, comprising:

a ~~semi-conductor~~ semiconductor substrate, comprising: [[;]]

a first conductor; ~~a coupler~~;

a detector [[,]] electrically connected to the ~~coupler~~ first conductor;

a second conductor above the ~~coupler~~ substrate and aligned with the first conductor,

wherein the first and the second conductors form a coupler that detects a power delivered into the second conductor. ; and

~~the coupler and detector integrated into the semi-conducting substrate.~~

Claim 2 (currently amended): A circuit, as defined in claim [[1]] 5, wherein the semiconductor substrate further comprising comprises a power amplifier ; interposing electrically connected in series between the first conductor and the capacitor. coupler and the detector, integrated into the semi-conducting substrate.

Claim 3 (canceled).

Claim 4 (currently amended): A circuit, as defined in claim 1, wherein the ~~semi-conducting semiconductor~~ substrate is selected from a group that includes Silicon and Gallium Arsenide.

Claim 5 (new): A circuit, as defined in claim 1, wherein the semiconductor substrate further comprises a capacitor electrically connected in series between the first conductor and the detector.

Claim 6 (new): A circuit, as defined in claim 5, wherein the semiconductor substrate further comprises a charge pump, the capacitor and the charge pump being electrically connected in parallel to the detector.